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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/787,380	02/26/2004	Brad L. Grande	2-1	4270
47386 7590 10/10/2007 RYAN, MASON & LEWIS, LLP 1300 POST ROAD SUITE 205 FAIRFIELD, CT 06824			EXAMINER GETACHEW, ABIY	
			ART UNIT 2841	PAPER NUMBER
			MAIL DATE 10/10/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/787,380

Applicant(s)

GRANDE ET AL.

Examiner

Abiy Getachew

Art Unit

2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 19 July 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hart (US 5,164,542) in view Ishikawa (US 4,874,907).

With respect to claim 1 Hart teaches a modem module (Fig. 5B, element 126) for connecting to a carrier (Fig. 5B, element 124) assembly, comprising: circuitry (column 7, lines 4-6) for interfacing with a telephone line. Hart does not specifically teach one or more solder pads for connecting said modem module to said carrier assembly. Solder pads and solder connection methods are well known in the art, can be found on almost any circuit board with components. Ishikawa teaches solder pads used to electrically and mechanically connect components to a circuit board (column 2, lines 4-9). It would have been obvious to one of ordinary skill in the art at the time of the invention to have one or more solder pads, as taught by Ishikawa, for connecting the modem module, taught by Hart, to the carrier assembly for purpose of easily making a physical and electrical connection to the carrier.

With respect to claim 2 and with all the limitations of claim 1, Hart in view of Ishikawa teaches a tip/ring connector (Fig. 5B, element 210) for interfacing with said telephone line.

With respect to claim 3 and with all the limitations of claim 1, Hart in view of Ishikawa teaches a connection to a tip/ring connector (Fig. 5B, element 210).

With respect to claim 4 and with all the limitations of claim 1, Hart in view of Ishikawa teaches that the carrier assembly is a motherboard (Fig. 5B, element 124).

With respect to claim 5 Hart teaches all of the limitations except that said one or more solder pads are soldered to corresponding one or more solder pads on said carrier assembly. Solder pads and solder connection methods are well known in the art, can be found on almost any circuit board with components. Ishikawa teaches one or more solder pads used to electrically and mechanically connect components to a circuit board (column 2, lines 4-9, Fig. 1). It would have been obvious to one of ordinary skill in the art at the time of the invention to have one or more solder pads which are soldered to corresponding one or more solder pads on said carrier assembly, taught by Hart, to the carrier assembly for purpose of easily making a physical and electrical connection to the carrier.

With respect to claim 6 and with all the limitations of claim 1, Hart in view of Ishikawa teaches that the modem assembly is fabricated on a printed circuit board (Fig. 5B).

With respect to claim 7 and with all the limitations of claim 1, Hart in View of Ishikawa teaches that the modem assembly is an integrated device (Fig. 5B).

Claims 8-13 are rejected with the same logic as claims 1-6 respectively.

Claims 14-20 are rejected with the same logic as claims 1-7 respectively.

**Response to Arguments**

3. Applicant's arguments filed 07/19/2007 have been fully considered but they are not persuasive.

a) Applicant argue that "Applicants note that neither Hart nor Ishikawa provide many details regarding a modem"

**Examiner disagrees**<sup>S</sup> because Hart teaches that a modem module (Fig. 5B, *PR 10/1/07* element 126) for connecting to a carrier (Fig. 5B, element 124). Applicant's attention respectfully directed to Figure 5B.

b) Applicant argues, "Hart and Ishikawa, however, do not disclose suggest one or more solder pads for connecting a modem module to a carrier assembly"

**Examiner disagrees**<sup>S</sup> because, Ishikawa teaches solder pads used to electrically *PR 10/1/07* and mechanically connect components to a circuit board (column 2, lines 4-9).

c) Applicant argue "Hart and Ishikawa, alone or in combination, do not disclose or suggest one or more solder pads for connecting said modem module to said carrier assembly, as required by independent claims 1, 8, and 14"

**Examiner disagrees**<sup>S</sup> because, Ishikawa teaches solder pads used to electrically *PR 10/1/07* and mechanically connect components to a circuit board (column 2, lines 4-9).

**Conclusion**

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

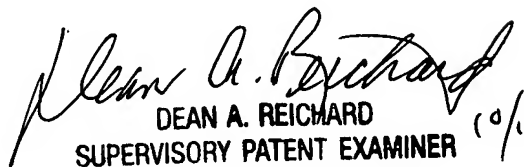
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abiy Getachew whose telephone number is (571) 272 6932. The examiner can normally be reached on Monday to Friday 8Am to 4:30Pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean A. Reichard can be reached on (571) 272 1984. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Abiy Getachew  
Examiner  
Art Unit 2841

A.G.  
2007-09-26

  
DEAN A. REICHARD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800 10/1/07